

AUTOMATIC CONTROL IN INDUSTRY

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The University of Toronto
Division of Extension
in co-operation with the
Faculty of Applied Science
and Engineering
Federal Department of Industry
Canadian Manufacturers' Association

TORONTO / FEBRUARY 21-22/68

This program has been arranged for senior management people in industry. Its objective is to give management a better understanding of automatic control techniques and the practical applications made possible by the use of computers. In the presentations of papers complex technical aspects of automatic control will be avoided and industrial applications will be emphasized. This program should provide stimulation for those eager to keep themselves and their organization efficient and effective by the application of new technology to their industry.

The program commences with a dinner on the evening of February 21st. Senator the Honourable Maurice Lamontagne will be the guest speaker.

The speakers are national and international authorities who will orient their presentations to the management viewpoint. There will be opportunity to meet the speakers and faculty and to present questions.

Professor J. G. Balchen, Vice-Chairman of the International Federation of Automatic Control, will speak at the luncheon on February 22nd.

FOR WHOM: Senior Management

WHEN: February 21 and 22

WHERE: St. Michael's College,
University of Toronto,
Toronto, Ontario

FEE: \$35.00 — the fee covers the cost of tuition, printed materials, reception, dinner and luncheon.

ACCOMMODATION: For those who wish accommodation there are numerous hotels nearby within either walking distance or subway travel.

REGISTRATION: Application forms should be forwarded before February 14th, 1968, to:
University of Toronto,
Division of Extension,
Automatic Control
in Industry,
84 Queen's Park,
Toronto 5, Ontario

REGISTRATION FORM

Seminar

AUTOMATIC CONTROL IN INDUSTRY

February 21, 22

Mr.

Mrs.

Miss

NAME (PLEASE PRINT)

NAME (PLEASE PRINT)

Address

NUMBER & STREET

CITY

PROVINCE

Position

BUSINESS ADDRESS

Company

POSITION

Business Telephone

Home Telephone

Fee: \$35.00

Cash

Personal Cheque

Business Telephone

Company Cheque

Signature

My cheque or money order for the tuition fee in the amount of \$35.00 payable at
the University of Toronto, is enclosed.

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Send to:
BUSINESS AND PROFESSIONAL COURSES
DIVISION OF EXTENSION
UNIVERSITY OF TORONTO
84 QUEEN'S PARK
TORONTO 5, ONTARIO

PROGRAM

PROGRAM CHAIRMAN:

PROFESSOR W. G. MacELHINNEY
Faculty of Applied Science and Engineering,
University of Toronto.

February 21, 1968

6:30 - 7:45 p.m. Registration and Reception The Lounge, Brennan Hall, University of St. Michael's College

7:45 - 9:30 p.m. Dinner Welcome: MR. G. H. BOYES
University of Toronto
Speaker: SENATOR THE HONOURABLE MAURICE LAMONTAGNE

SESSION NO. 1

Government Incentive Assembly Hall, for Industrial Research Brennan Hall and Development

9:30 - 10:30 p.m. MR. J. L. ORR
Industrial Research Adviser,
Department of Industry,
Ottawa, Ontario.

February 22, 1968

SESSION NO. 2

STATE OF THE ART Corr Hall,
IN PROCESS CONTROL University of St.
Chairman: PROFESSOR Michael's College
H. W. SMITH
University of
Toronto, Toronto

8:30 - 9:10 a.m. Principles of Automatic Control
DR. A. R. M. NOTON
Head — Department of
Electrical Engineering,
University of Waterloo,
Waterloo, Ontario.

9:10 - 9:50 a.m. Analog Instrumentation and Automatic Control
MR. R. M. WALKER
Fischer & Porter (Canada) Limited,
Toronto, Ontario.

9:50 - 10:30 a.m. Patterns in Economic Justification for Process Computer Control
MR. J. H. C. SCRIMGEOUR
Canadian General Electric Company Limited, Peterborough, Ontario.

10:30 - 10:50 a.m. Coffee

10:50 - 11:20 a.m. Film — "Approaching Automation"
This British Information Services film has been imported especially to illustrate the introduction of automatic control in British

industries at the level of simple adaptation to present equipment.

11:20 - 11:45 a.m. — Chairman's Comments — Discussion

12:00 - 1:30 p.m. Lunch

Chairman — DR. J. M. Assembly Hall,
HAM, DEAN Brennan Hall
Speaker: PROFESSOR J. G. BALCHEN
Norges Tekniske, Høgskole,
Trondheim, Norway.

SESSION NO. 3

CONTROL IN THE Corr Hall,
PRIMARY INDUSTRIES University of
Chairman: PROFESSOR St. Michael's
R. LUUS College
University of Toronto, Toronto.

1:45 - 2:00 p.m. Chairman's Opening Remarks

2:00 - 2:30 p.m. Process Control of Beneficiation Plants
MR. J. M. FAMBELY
Milltronics Limited,
Peterborough, Ontario.

2:30 - 3:00 p.m. Some Aspects of Control of Fractionating Columns
MR. J. R. CONNELL
Imperial Oil Enterprises Limited,
Sarnia, Ontario.

3:00 - 3:30 p.m. Control in the Steel Industry
MR. K. R. CAMFOR
Dominion Foundries and Steel Company Limited, Hamilton, Ontario.

3:30 - 3:45 p.m. Coffee

3:45 - 4:45 p.m. Panel, Discussion and Question Period
MR. J. M. FAMBELY
MR. J. R. CONNELL
MR. K. R. CAMFOR

SESSION NO. 4

Control in the Corr Hall,
Secondary Manufactur- University of
ing Industry St. Michael's
Chairman: MR. R. A. College
GORDON
Head — Automation Section,
Department of Industry,
Ottawa, Ontario.

1:45 - 2:00 p.m. Chairman's Opening Remarks

2:00 - 2:30 p.m. Film Presentation
D. E. GERRIOR
Collins Radio Company of Canada Limited, Toronto, Ontario.

2:30 - 3:00 p.m. Automatic Machine Tool Controls
MR. D. E. NUTTALL
Ferranti-Packard Electric Limited,
Toronto, Ontario.

3:00 - 3:30 p.m. Data Acquisition in Manufacturing Industry
MR. W. A. CURRIE
International Business Machines Limited,
Toronto, Ontario.

3:30 - 3:45 p.m. Coffee

3:45 - 4:45 p.m. Panel, Discussion and Question Period
MR. D. E. GERRIOR
MR. D. E. NUTTALL
MR. W. A. CURRIE
PROFESSOR J. T. VANDE VEGTE
University of Toronto

SESSION NO. 5

AUTOMATIC CONTROL Corr Hall,
AS A MANAGEMENT University of
TOOL St. Michael's
Chairman: MR. J. R.
DICKINSON
Canadian General Electric Co.
Ltd., Peterborough, Ontario.

1:45 - 2:00 p.m. Chairman's Opening Remarks

2:00 - 2:30 p.m. Increased Productivity by Control of Distribution
MR. R. F. MOYSE
British American Oil Company,
Toronto, Ontario.

2:30 - 3:00 p.m. Computer Assisted Inventory Management
MR. R. E. CARROLL
DCF Systems Limited,
Toronto, Ontario.

3:00 - 3:30 p.m. A Management Information System for Control of a Multi-Product Plant
MR. J. M. CROW
Procter and Gamble Limited,
Hamilton, Ontario.

3:30 - 3:45 p.m. Coffee

3:45 - 4:45 p.m. Panel, Discussion and Question Period
MR. E. E. WALKER
MR. R. E. CARROLL
MR. J. M. CROW

SESSION NO. 6

Idea Exchange The Lounge,
Brennan Hall

5:00 - 6:00 p.m. Cocktail Hour